

EThe Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/666,837

Source: \mathcal{O}_{ℓ}

Date Processed by STIC: 989/2000

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR FURTHER INFORMATION, PLEASE TELEPHONE MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER</u> <u>VERSION 3.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address: http://www.uspto.gov/web/offices/pac/checker

OTPE

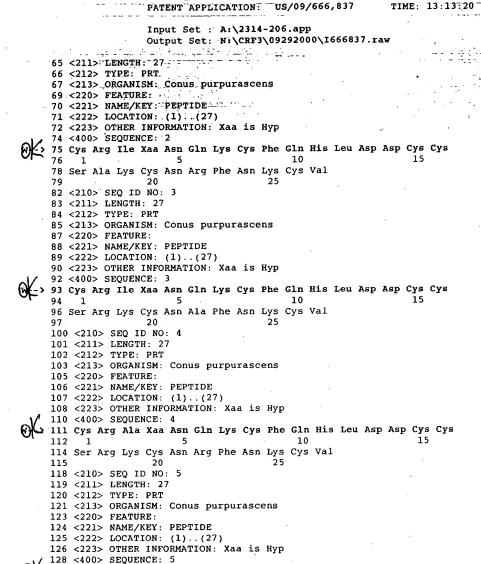
DATE: 09/29/2000 TIME: 13:13:20

Input Set : A:\2314-206.app " Output Set: N:\CRF3\09292000\1666837.raw

```
<110> APPLICANT: Cornell-Bell, Ann H.
              Pemberton, Karen E.
              Temple Jr., Davis L.
                                                                           Does Not Comply
              Layer, Richard T.
                                                                     Corrected Diskette Needed
              McCabe, R. Tyler
              Jones, Robert M.
     9 Cognetix, Inc.
11 <120> TITLE OF INVENTION: Uses of Kappa-Conotoxin PVIIA
     13 <130> FILE REFERENCE: Kappa-PVIIA
   > 15 <140> CURRENT APPLICATION NUMBER: US/09/666,837
   → 16 <141> CURRENT FILING DATE: 2000-09-21
     18 <150> PRIOR APPLICATION NUMBER: US 60/219,438
     19 <151> PRIOR FILING DATE: 2000-07-20
     21 <150> PRIOR APPLICATION NUMBER: US 60/155,135
     22 <151> PRIOR FILING DATE: 1999-09-22
     24 <160> NUMBER OF SEQ ID NOS: 25
     26 <170> SOFTWARE: PatentIn Ver. 2.0
     28 <210> SEQ ID NO: 1
     29 <211> LENGTH: 27
     30 <212> TYPE: PRT
     31 <213> ORGANISM: Conus purpurascens
     33 <220> FEATURE:
     34 <221> NAME/KEY: PEPTIDE
     35 <222> LOCATION: (1)..(27)
     36 <223> OTHER INFORMATION: Xaa at residue 2, 7, 18, 19, 22 and 25 may be Arg,
              homoarginine, ornithine, Lys, N-methyl-Lys,
    38
              N,N-dimethyl-Lys, N,N,N-trimethyl-Lys, any
              synthetic basic amino acid, His or halo-His; Xaa
    40 at residue
42 <220> FEATURE:
    43 <221> NAME/KEY: PEPTIDE
    44 <222> LOCATION: (1)..(27)
    45 <223> OTHER INFORMATION: 4 may be Pro or Hyp; Xaa at residue 9 and 23 may
             be Phe, Tyr, meta-Tyr, ortho-Tyr, nor-Tyr,
    47
             mono-halo-Tyr, di-halo-Tyr, O-sulpho-Tyr,
             O-phospho-Tyr, nitro-Tyr, Trp (D or L), neo-Trp,
    50 <220> FEATURE:
    51 <221> NAME/KEY: PEPTIDE
    52 <222> LOCATION: (1)..(27)
    53 <223> OTHER INFORMATION: halo-Trp (D or L) or any synthetic aromatic amino
             acid; Xaa at residue 11 is His or halo-His
    56 <400> SEQUENCE: 1
> 57 Cys Xaa Ile Xaa Asn Gln Xaa Cys Xaa Gln Xaa Leu Asp Asp Cys Cys
58 1 / 10 15 15 15 60 Ser Xaa Xaa Cys Asn Xaa Xaa Asn Xaa Cys Val
                    20
    64 <210> SEQ ID NO: 2
```



DATE: 09/29/2000-



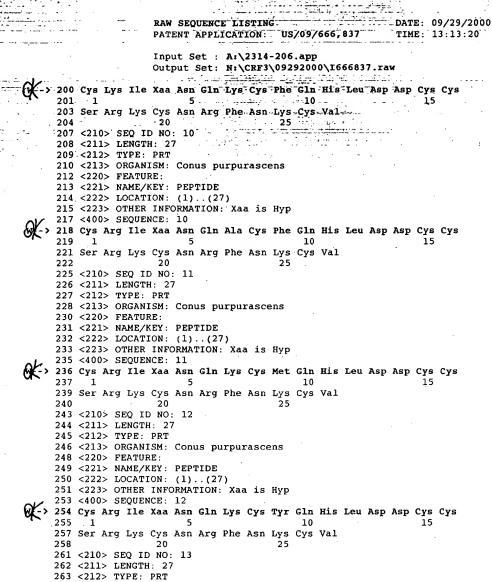
> 129 Cys Arg Ile Xaa Asn Gln Lys Cys Phe Gln His Leu Asp Asp Cys Cys

```
PATENT APPLICATION: US/09/666,837
                        Input Set : A:\2314-206.app
                        Output Set: N:\CRF3\09292000\1666837.raw
132 Ser Arg Ala Cys Asn Arg Phe Asn Lys Cys Val
137-<211> LENGTH: 27
138-<212>-TYPE: PRT
      139 <213> ORGANISM: Conus purpurascens
     141 <220> FEATURE:
      142 <221> NAME/KEY: PEPTIDE
      143 <222> LOCATION: (1)..(27)
      144 <223> OTHER INFORMATION: Xaa is Hyp
      146 <400> SEQUENCE: 6
> 147 Cys Ala Ile Xaa Asn Gln Lys Cys Phe Gln His Leu Asp Asp Cys Cys
      150 Ser Arg Lys Cys Asn Arg Phe Asn Lys Cys Val
151 20 25
      154 <210> SEQ ID NO: 7
      155 <211> LENGTH: 27
      156 <212> TYPE: PRT
      157 <213> ORGANISM: Conus purpurascens
      159 <220> FEATURE:
160 <221> NAME/KEY: PEPTIDE
160 <221> NAME/KEY: PEPTIDE
161 <222> LOCATION: (1)...(27)
163 <400> SEQUENCE: 7

W--> 164 Cys Arg Ile (Xaa) Asn Gln Lys Cys Ala Gln His Leu Asp Asp Cys Cys
165 1
167 Ser Arg Lys Cys Asn Arg Phe Asn Lys Cys Val
168 20
171 <210> SEO ID NO: 8
      171 <210> SEQ ID NO: 8
      172 <211> LENGTH: 27
      173 <212> TYPE: PRT
      174 <213> ORGANISM: Conus purpurascens
      176 <220> FEATURE:
      177 <221> NAME/KEY: PEPTIDE
      178 <222> LOCATION: (1)..(27)
      179 <223> OTHER INFORMATION: Xaa is Hyp
181 <400> SEQUENCE: 8
> 181 Cys Arg Ile Xaa Asn Gln Lys Cys Phe Gln His Leu Asp Asp Cys Cys
      183
                                                    10
      185 Ser Arg Lys Cys Asn Arg Phe Asn Ala Cys Val
186 20 25
      189 <210> SEQ ID NO: 9
      190 <211> LENGTH: 27
      191 <212> TYPE: PRT
      192 <213> ORGANISM: Conus purpurascens
      194 <220> FEATURE:
      195 <221> NAME/KEY: PEPTIDE
      196 <222> LOCATION: (1)..(27)
      197 <223> OTHER INFORMATION: Xaa is Hyp
      199 <400> SEQUENCE: 9
```

RAW SEQUENCE LISTING

TIME: 13:13:20



264 <213> ORGANISM: Conus purpurascens

266 <220> FEATURE:

267 <221> NAME/KEY: PEPTIDE



DATE: 09/29/2000-

```
PATENT APPLICATION: US/09/666,837
                                                           TIME: 13:13:20
                     Input Set : A:\2314-206.app
                    Output Set: N:\CRF3\09292000\1666837.raw
     268 <222> -LOCATION:-(1) -- (27-)------
     269 <223> OTHER INFORMATION: Xaa is Hyp
273 1 .....
                   15
     275 Ser Arg Lys Cys Asn Arg Phe Asn Lys Cys Val
276 20 25
279 <210> SEQ ID NO: 14
     280 <211> LENGTH: 27
     281 <212> TYPE: PRT
     282 <213> ORGANISM: Conus purpurascens
     284 <220> FEATURE:
     285 <221> NAME/KEY: PEPTIDE
     286 <222> LOCATION: (1)..(27)
     287 <223> OTHER INFORMATION: Xaa is Hyp
     289 <400> SEQUENCE: 14
> 290 Cys Arg Ile Xaa Asn Gln Lys Cys Phe Gln Ala Leu Asp Asp Cys Cys
     291 1
                         - 5
                                            10
     293 Ser Arg Lys Cys Asn Arg Phe Asn Lys Cys Val
                   20
     297 <210> SEQ ID NO: 15
     298 <211> LENGTH: 27
     299 <212> TYPE: PRT
     300 <213> ORGANISM: Conus purpurascens
     302 <220> FEATURE:
     303 <221> NAME/KEY: PEPTIDE
     304 <222> LOCATION: (1)..(27)
     306 <400> SEQUENCE 15
W--> 307 Cys Arg Ile (Xaa Asn Gln Lys Cys Phe Gln His Leu Asp Ala Cys Cys 308 1
     310 Ser Arg Lys Cys Asn Arg Phe Asn Lys Cys Val
                     20
     311
     314 <210> SEQ ID NO: 16
     315 <211> LENGTH: 27
     316 <212> TYPE: PRT
     317 <213> ORGANISM: Conus purpurascens
     319 <220> FEATURE:
     320 <221> NAME/KEY: PEPTIDE
     321 <222> LOCATION: (1)..(27)
     322 <223> OTHER INFORMATION: Xaa is Hyp
    324 <400> SEQUENCE: 16
325 Cys Arg Ile Xaa Asn Ala Lys Cys Phe Gln His Leu Asp Asp Cys Cys 326 1 10 15
    328 Ser Arg Lys Cys Asn Arg Phe Asn Lys Cys Val
    329
                     20
    332 <210> SEQ ID NO: 17
    333 <211> LENGTH: 27
    334 <212> TYPE: PRT
```

-RAW-SEQUENCE-LISTING-

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

335 <213> ORGANISM: Conus purpurascens



VERIFICATION SUMMARY
PATENT APPLICATION: US/09/666,837

DATE: 09/29/2000-TIME: 13:13:21

Input Set : A:\2314-206.app
Output Set: N:\CRF3\09292000\1666837.raw